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# **Recombinant human CRACC/SLAMF7 protein**

Catalog Number: ATGP3258

#### PRODUCT INFORMATION

## **Expression system**

Baculovirus

#### **Domain**

23-226aa

#### UniProt No.

Q9NQ25

#### **NCBI Accession No.**

NP 067004

#### **Alternative Names**

SLAMF7, CD2 subset 1, CD2-like receptor-activating cytotoxic cells, CRACC, CS1, CD319, Membrane protein FOAP-12, Novel Ly9, Protein 19A

## **PRODUCT SPECIFICATION**

# **Molecular Weight**

23.4 kDa (212aa)

## **Concentration**

0.5mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

## Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

# **Description**

SLAMF7, also known as SLAM family member 7, is a single-pass type 1 membrane protein and a member of the CS2 family of cell surface receptors. Isoform 1 of this protein mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. It may play a role in lymphocyte adhesion.



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SLAMF7 can exert activating of inhibitory influences on cells of the immune system depending on cellular context and the availability of effector proteins. Recombinant human SLAMF7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

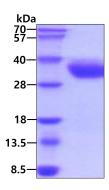
SGPVKELVGS VGGAVTFPLK SKVKQVDSIV WTFNTTPLVT IQPEGGTIIV TQNRNRERVD FPDGGYSLKL SKLKKNDSGI YYVGIYSSSL QQPSTQEYVL HVYEHLSKPK VTMGLQSNKN GTCVTNLTCC MEHGEEDVIY TWKALGQAAN ESHNGSILPI SWRWGESDMT FICVARNPVS RNFSSPILAR KLCEGAADDP DSSM<LEHHHH HH>

#### **General References**

Kim JR et al., (2013) Inflamm. Res. 62(8):765-772. Kramer B et al., (2013) Infect. Immun. 81(3):690-696.

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

